

METHOD OF AND APPARATUS FOR TRANSMITTING  
TORQUE IN VEHICULAR POWER TRAINS

ABSTRACT OF THE DISCLOSURE

5       The magnitude of torque which can be transmitted  
by a bypass clutch between the housing and the turbine  
of a torque converter between a prime mover, such as an  
engine, and an automatic transmission in the power train  
of a motor vehicle is selectively regulatable by a computerized  
regulating unit. The regulation involves the transmission  
10       of torque by the clutch in dependency upon the magnitude  
of the torque being transmitted by the output element of  
the engine and ascertaining as well as adaptively applying  
to the clutch a variable force so that the clutch can transmit  
a predetermined torque. This entails automatic selection  
15       of a minimum slip between a torque receiving and a torque  
transmitting part of the power train. Compensation,  
particularly long-range compensation, is carried out for  
the existence of possible differences between the predeter-  
mined and actual torques being transmitted by the clutch.